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| List of Do | cumer | nts Cited by Applic | ant DEC 2 | 3 2005 E | Group: | 1647 | |
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| | | | WAR BE | ARO | Attorney Docket No.: | 1242/26/2 | |
| | | | U.S. PAT | ENT DO | CUMENTS | | |
| Examiner Initial | Cite No. | Document Number | Publication Date | Name | of Patentee or Applicant of Cited Document | Pages, Columns, Line where relevant passage relevant figures appea | es or |
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| | | | FOREIGN P | ATENT | DOCUMENTS | | |
| Examiner Initials | Cite No. | Document Numbe (country code, no., k code (if known) | | n Date | Name of Patentee or Applicant | Pages, columns, lines where relevant passages appear | Т |
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| Examiner Initials | Cite No. | Include Author (in CAF | PITAL LETTERS), 1 | litle, Jour | nal, Date, Pertinent Pages, Etc. | | Т |
| SW | 1. | | Communication pursuant to Article 96(2) EPC in European Patent Application No. 01 928 579.0-2405 dated September 22, 2005. | | | | |
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^{*}Examiner Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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| | FORMS 0-1449 U.S. Depart |
| | Patent and Trademark Office |
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| | List of Documents Cited by Ap |
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| FS-0-1449 U.S. Department of Commerce | | | | | Application No.: 09/835,976 | | | |
|---------------------------------------|-------------|--|--------------|------------------|---|--|--|---------------|
| Patent an | d Trad | lemark Office | | | | Filing Date: | April 16, 2001 | |
| | | | | | | First Named Inventor: | Mount et al. | |
| LIST OF DO | cumer | its Cited by Applic | ant | | | Group: | 1647 | |
| | | | | | | Examiner: | Wegert, Sandra | |
| | | | • | | | Attorney Docket No.: | 1242/26/2 | |
| | | | | U.S. PATE | ENT DO | CUMENTS | | |
| Examiner Initial | | | ication Date | Name | of Patentee or Applicant of Cited Document | Pages, Columns, Lines, where relevant passages o relevant figures appear | | |
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| Examiner Initials | Cite No. | Include Author (in CAF | PITAL | LETTERS), T | itle, Jour | nal, Date, Pertinent Pages, Etc. | | Т |
| SW | 1. | Examiners First Report corresponding to Australian pat. app. no. 2001255421 dated November 15, 2005. | | | | | | |
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| FORM P | [O [A | 49 U.S. Departme | nt of Com | merc | е | Application No.: 09/835,976 | | | | |
| Patent an | d Trac | demark Office | | | | Filing Date: | April 16, 2001 | | | |
| 1:4 (0) | | | | | | First Named Inventor: | Mount et al. | | | |
| List of Do | cumer | nts Cited by Applic | ant | | | Group: | 1647 | | | |
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| | | * | | | | Attorney Docket No.: | 1242/26/2 | | | |
| • | | | U.S. | PATE | ENT DO | CUMENTS | | | | |
| Examiner Initial | Cite No. | | | | Name | of Patentee or Applicant of Cited Document | Pages, Columns, Line where relevant passage relevant figures appe | es or | | |
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| SW | 1. | . IPER corresponding to PCT International pat. app. no. PCT/US01/12395 dated December 15, 2005. | | | | | | | | |
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U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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INFORMATION DISCLOSURE

Complete if Known

Application Number 09/835,976

Filing Date 4/16/2001

STATEMENT BY APPLICANT
(Use as many sheets as necessary)

Sheet 1 of 2 Attorney Docket Number 1242/26/2

| - | U.S. PATENT DOCUMENTS | | | | | | | | |
|-----------|-----------------------|---|------------------|-----------------------------|---|--|--|--|--|
| Examiner | Cito | Document Number | Publication Date | Name of Patentee or | Pages, Columns, Lines, Where | | | | |
| tnitials* | Cite No.1 | Number - Kind Code ^{2 (F known)} | MM-DD-YYYY | Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear | | | | |
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| | FOREIGN PATENT DOCUMENTS | | | | | | | | |
|-------------|--------------------------|---|------------------|-----------------------------|--|--------------|--|--|--|
| Examiner Ci | | Foreign Patent Document | Publication Date | Name of Patentee or | Pages, Columns, Lines, | Т | | | |
| | Cite No.1 | Country Code ³ - Number ⁴ - Kind Code ⁵ (if known) | MM-DD-YYYY | Applicant of Cited Document | Where Relevant Passages or Relevant Figures Appear | Τ° | | | |
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| Examiner | /Sandra Wegert/ | Date | 10/05/2006 |
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Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

PTO/SB/08b (07-05) Approved for use through 06/30/2006. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

| Substitute for form 1449B/PTO | | | | | Complete If Known | | |
|-----------------------------------|----------------|------|-----|------------------------|-------------------|--|--|
| | | | | Application Number | 09/835,976 | | |
| INI | FORMATION DISC | CLOS | URE | Filing Date | 4/16/2001 | | |
| STATEMENT BY APPLICANT | | | | First Named Inventor | Mount et al. | | |
| (Use as many sheets as necessary) | | | | Art Unit | 1647 | | |
| | | | | Examiner Name | Sandra Wegert | | |
| Sheet | 2 | of | 2 | Attorney Docket Number | 1242/26/2 | | |

| NON PATENT LITERATURE DOCUMENTS | | | | | | | |
|---------------------------------|-------------|---|----------------|--|--|--|--|
| Examiner Initials* | Cite No. | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T ² | | | | |
| SW | 1 | MERCADO ET AL., "NH2-Terminal Heterogeneity in the KCC3 K+-CI-Cotransporter", Am. J. Physiol. Renal Physiol, 289: 1246-1261, 2005. | | | | | |
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'Applicant's unique citation designation number (optional). 'Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

09/835,976 FORM PTO-1449 U.S. Departing Application No.: Patent and Trademark Office Filing Date: April 16, 2001 First Named Inventor: Mount et al. List of Documents Cited by Applicant 1647 Group: Examiner: Bunner, Bridget Attorney Docket No.: 1242/26/2 U.S. PATENT DOCUMENTS Cite **Document Number Publication Date** Name of Patentee or Applicant of Cited Pages, Columns, Lines, Examiner Document Initial No. where relevant passages or relevant figures appear FOREIGN PATENT DOCUMENTS Examiner Cite Document Number **Publication Date** Name of Patentee or Applicant Pages, columns, lines · T Initials No. where relevant (country code, no., kind passages appear code (if known) OTHER DOCUMENTS Ť · · Examiner Cite Include Author (in CAPITAL LETTERS), Title, Journal, Date, Pertinent Pages, Etc. Initials No. STM Communication pursuant to Article 96(2) EPC in European Patent Application No. 1. 01 928 579.0-2405 dated September 15, 2006.

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| EXAMINER | /Sandra Wegert/ | DATE CONSIDERED _ | 10/25/2006 | ÷ |

Baltimore, MD, US, Vol. 274, no. 23, (1999), pp 16355-16362

cation-chloride cotransporter gene family

2.

Mount et al. Cloning and characterization of KCC3 and KCC4, new members of the

Journal Of Biological Chemistry, American Society Of Biological Chemists,

^{*}Examiner Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.